BRUHAT BANGALORE MAHANAGAR PALIKE

NAME OF WORK: Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01

Estimated Cost - 130 Lakhs

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Proposed Auditorium at Bangla School, Yelahanka, Bangalore								
1	Dismantling (By Mechanical means) of existing stage and surrounding structure comprising of masonry, cement concrete, wood work, steel work including T&P and scaffolding wherever necessary, sorting the dismatled material, disposal of unserviceable material and stacking the servicable material with all lead, lifts, loading and unloading complete as per direction of Engineer in charge.KSRB M200-14.2								
	(Page No. 139, Item No. - 18.23 of PW;P&IWTD S.R 2018-19)								
	Existing Stage	Cum	1	6.00	6.00	1.00	36.00		
	Existing Compound Wall		1	70.00	0.45	0.75	23.63		
						Total Qty	**59.63**	**379.08**	**22,603.00**
	Rate Analysis								
	Basic Rate	**351.00**							
	Area Weightage	**8.00%**							
	Total Qty	**379.08**							
2	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil.KSRB 2-1								
	(Page No. 6, Item No. - 2.3 of PW;P&IWTD S.R 2018-19)								
	Footing	Cum	14	2.00	2.00	2.00	112.00		
	Foundation								
	Long Wall		2	27.00	1.20	1.00	64.80		
	Shortwall		2	12.00	1.20	1.00	28.80		
	Floor Area		1	12.00	27.00	0.20	64.80		
	Deductions								
	Footing		-14	2.00	2.00	1.00	-56.00		
	ENTRY Steps		1	4.00	2.00	0.45	3.60		
	Ramp		1	1.50	2.00	0.45	1.35		
	Around RO Plant		1	33.00	1.40	0.90	41.58		
						Total Qty	**260.93**	**322.92**	**84,260.00**
	Rate Analysis								
	Basic Rate	**299.00**							
	Area Weightage	**8.00%**							
	Total Qty	**322.92**							
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS								
	(Page No. 7, Item No. - 2.15 of PW;P&IWTD S.R 2018-19)								
	Footing	Cum							
	Floor Area		1	12.00	27.00	0.30	97.20		
						Total Qty	**97.20**	**2623.32**	**2,54,987.00**

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Rate Analysis								
	Basic Rate	**2429.00**							
	Area Weightage	**8.00%**							
	Total Qty	**2623.32**							
4	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. Including cost of all labour complete as per specifications. No. KBS 2.9								
	(Page No. 7, Item No. - 2.10 of PW;P&IWTD S.R 2018-19)								
	Total Qty Earthwork Qty	Cum					260.93		
	Deductions								
	Soiling						-97.20		
	PCC						-22.44		
	Raft						-18.21		
	SSM						-90.66		
	Pedastal						-3.09		
						Total Qty	**29.34**	**217.08**	**6,369.00**
	Rate Analysis								
	Basic Rate	**201.00**							
	Area Weightage	**8.00%**							
	Total Qty	**217.08**							
5	KSRRB M400-19. Construction of Median and island above road level with approved material deposited from soil deposits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407								
	(Page No. 155, Item No. - 20.20 of PW;P&IWTD S.R 2018-19)								
	Total Qty Earthwork Qty	Cum							
	Floor Area		1	11.55	26.55	1.00	306.65		
	Stage Area		1	11.55	7.00	1.00	80.85		
	Ramp		1	1.50	2.00	0.45	1.35		
						Total Qty	**388.85**	**225.72**	**87,772.00**
	Rate Analysis								
	Basic Rate	**209.00**							
	Area Weightage	**8.00%**							
	Total Qty	**225.72**							
6	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, Surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7								
	(Page No. 10, Item No. - 3.2 of PW;P&IWTD S.R 2018-19)								
	Footing	Sqm	14	2.00	2.00		56.00		
	Floor Area		1	12.00	27.00		324.00		
						Total Qty	380.00	114.48	43,502.00

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Rate Analysis								
	Basic Rate	106.00							
	Area Weightage	8.00%							
	Total Qty	114.48							
7	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2								
	(Page No. 13, Item No. - 4.3 of PW;P&IWTD S.R 2018-19)								
	Footing	Cum	14	2.00	2.00	0.15	8.40		
	Foundation								
	Long Wall		2	27.00	1.20	0.15	9.72		
	Shortwall		2	12.00	1.20	0.15	4.32		
	Floor Area		1	12.00	27.00	0.15	48.60		
	ENTRY Steps		1	4.00	2.00	0.15	1.20		
	Ramp		1	1.50	2.00	0.15	0.45		
	Stage Area		1	11.55	0.60	0.15	1.04		
	Stage Floor Area		1	11.10	6.55	0.15	10.91		
	Deductions								
	Footing		-14	2.00	2.00	0.15	-8.40		
	Around RO Plant		1	33.00	1.40	0.15	6.93		
	Total Qty PCC					**Total Qty**	**83.17**	**5510.16**	**4,58,254.00**
	Rate Analysis								
	Basic Rate	5102.00							
	Area Weightage	8.00%							
	Total Qty	5510.16							
8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	(Page No. 25, Item No. - 5.6 of PW;P&IWTD S.R 2018-19)								
	1st Step	Cum							
	Foundation								
	Long Wall		2	27.00	0.90	0.45	21.87		
	Shortwall		2	12.00	0.90	0.45	9.72		
	ENTRY Steps		1	4.00	2.00	0.45	3.60		
	Ramp		1	1.50	2.00	0.45	1.35		
	Deductions								
	Footing		-14	2.00	0.90	0.45	-11.34		
	2nd Step								
	Long Wall		2	27.00	0.75	0.45	18.23		
	Shortwall		2	12.00	0.75	0.45	8.10		
	Deductions								
	Footing		-14	2.00	0.75	0.45	-9.45		
	Stage Area		1	11.55	0.75	0.45	3.90		
	Around RO Plant		1	33.00	1.20	0.45	17.82		
			1	33.00	0.90	0.45	13.37		
						Total Qty	77.16	4963.68	3,82,988.00
	Rate Analysis								

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Basic Rate	4596.00							
	Area Weightage	8.00%							
	Total Qty	4963.68							
9	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	(Page No. 25, Item No. - 5.9 of PW;P&IWTD S.R 2018-19)								
	3rd Step	Cum							
	Foundation								
	Long Wall		2	27.00	0.60	0.45	14.58		
	Shortwall		2	12.00	0.60	0.45	6.48		
	Deductions								
	Footing		-14	2.00	0.60	0.45	-7.56		
	Stage Area		1	11.55	0.60	0.45	3.12		
	Above GL								
	Foundation								
	Long Wall		2	27.00	0.45	0.75	18.23		
	Shortwall		2	12.00	0.45	0.75	8.10		
	Deductions								
	Footing		-14	2.00	0.45	0.75	-9.45		
	Stage Area		1	11.55	0.45	0.75	3.90		
	Above Floor LVL								
			2	11.55	0.45	1.20	12.47		
			2	7.00	0.45	1.20	7.56		
	Raising of Exesting		1	70.00	0.45	1.50	47.25		
						Total Qty	**104.68**	**5921.64**	**6,19,851.00**
	Rate Analysis								
	Basic Rate	5483.00							
	Area Weightage	8.00%							
	Total Qty	5921.64							
10	KSRB 15.1 Providing flush pointing 20 mm deep to square rubble, course or uncoursed stone masonry with cement mortar after rakingvjoints to depth of 20mm nicely lining, including cost of materials, labour,vcuring complete as per specifications								
	(P No. 115, I No. - 15.1 of PW;P&IWTD SR 2018-19)								
	Foundation	Sqm							
	Long Wall		2	27.00		0.75	40.50		
	Shortwall		2	12.00		0.75	18.00		
	Deductions								
	Footing		-14	2.00		0.75	-21.00		
	Stage Area		1	11.55		0.75	8.66		
	Above Floor LVL								
			2	11.55		1.20	27.72		
			2	7.00		1.20	16.80		
			1	70.00		0.75	52.50		
	Raising of Exesting		1	70.00		1.50	105.00		

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
							248.18	152.28	37,793.00
	Rate Analysis								
	Basic Rate	141.00							
	Area Weightage	8.00%							
	Total Qty	152.28							
11	KSRB 4.1.6 : Providing and laying in position reinforced cement concrete of design mix M15 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets,coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6								
	(P No. 13, I No. - 4.6 of PW;P&IWTD SR 2018-19)								
	Foundation	Cum							
	Long Wall		2	27.00	0.45	0.10	2.43		
	Shortwall		2	12.00	0.45	0.10	1.08		
	Deductions								
	Footing		-14	2.00	0.45	0.10	-1.26		
	Stage Area		1	11.55	0.45	0.10	0.52		
	Floor Concrete								
	Floor Area		1	11.55	26.55	0.10	30.67		
	Stage Area		1	11.55	6.55	0.10	7.57		
	Ramp		1	1.50	2.00	0.10	0.30		
	Raising of Exesting Compound Wall		1	70.00	0.45	0.10	3.15		
							44.45	5855.76	2,60,290.00
	Rate Analysis								
	Basic Rate	5422.00							
	Area Weightage	8.00%							
	Total Qty	5855.76							
12	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-20 - footing Concrete								
	(P.No.18, I.No.4.48. of PW, P&IWTD SR2018-19)								
	Footing Raft	Cum	14	1.70	1.70	0.45	18.21		
	Column Upto Plinth		14	0.45	0.35	1.40	3.09		
	Stage Area		4	0.45	0.35	0.90	0.57		
	Plinth Beam Concrete		1	78.00	0.20	0.30	4.68		
							26.54	5879.52	1,56,048.00
	Rate Analysis								

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Basic Rate	5444.00							
	Area Weightage	8.00%							
	Total Qty	5879.52							
13	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-25								
	(P.No.19, I.No.4.49.1 of PW, P&IWTD SR2018-19)								
	Column Above Plinth	cum	14	0.45	0.20	1.50	1.89		
							1.89	5879.52	11,112.00
	Rate Analysis								
	Basic Rate	5444.00							
	Area Weightage	8.00%							
	Total Qty	5879.52							
14	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2								
	(P.No.16, I.No.4.28 of PW, P&IWTD SR2018-19)								
	Footing Raft	Sqm	14	6.80	0.45		42.84		
	Column Upto Plinth		14	1.60	1.40		31.36		
	Stage Area		4	1.60	0.90		5.76		
							79.96	278.64	22,280.00
	Rate Analysis								
	Basic Rate	258.00							
	Area Weightage	8.00%							
	Total Qty	278.64							
15	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
	(P.No.17, I.No.4.36 of PW, P&IWTD SR2018-19)								
	Plinth Beam Concrete	Sq-m	2	78.00	0.30		46.80		
							46.80	815.40	38,161.00
	Rate Analysis								
	Basic Rate	755.00							
	Area Weightage	8.00%							
	Total Qty	815.40							
16	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.								
	(P.No.27, I.No.5.27.2 of PW, P&IWTD SR2018-19)								
	ENTRY Steps	Sqm	1	4.00	0.15		0.60		

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
			1	4.00	0.30		1.20		
			1	4.00	0.45		1.80		
			1	4.00	0.60		2.40		
			1	4.00	0.75		3.00		
	Steps for Stage								
			2	2.00	0.15		0.60		
			2	2.00	0.30		1.20		
			2	2.00	0.45		1.80		
			2	2.00	0.60		2.40		
			2	2.00	0.75		3.00		
	Ramp		2	2.00	0.60		2.40		
	Around RO Plant		1	33.00		2.00	66.00		
	Rate Analysis					Total Qty	20.40	1029.24	20,996.00
	Basic Rate	953.00							
	Area Weightage	8.00%							
	Total Qty	1029.24							
17	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500								
	(P.No.18, I.No.4.46.2 & 4.47 of PW, P&IWTD SR 2018-19)								
				Mtonne					
	100kg/ Cum for Footing		1	18.21		100.00	1,820.70		
	100kg/ Cum Pedastal		1	3.09		100.00	308.70		
	110kg/Cum Plinth Beam		1	4.68		110.00	514.80		
	Total Qty Rebar Steel Quantity						2,644.20		
							2.64	76643.28	2,02,660.00
	Rate Analysis								
	Basic Rate	70966.00							
	Area Weightage	8.00%							
	Total Qty	76643.28							
18	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry incluing rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Cement Mortar 1:4.KSRB 6-6.3								
	(Page No. 116 , Item No. - 15.16 of PW;P&IWTD S.R 2018-19)								
	ENTRY Steps	Sqm	2	0.40	0.15		0.12		
			2	0.40	0.30		0.24		
			2	0.40	0.45		0.36		
			2	0.40	0.60		0.48		
			2	0.40	0.75		0.60		
	Steps for Stage								
			2	0.40	0.15		0.12		
			2	0.40	0.30		0.24		

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
			2	0.40	0.45		0.36		
			2	0.40	0.60		0.48		
			2	0.40	0.75		0.60		
	Around RO Plant		2	33.00		2.00	132.00		
	Rate Analysis					**Total Qty**	**3.60**	**281.88**	**1,015.00**
	Basic Rate	**261.00**							
	Area Weightage	**8.00%**							
	Total Qty	**281.88**							
19	KSRB 14.5 : Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.26								
	(PW,P& IWTD, SR 18-19, Page No -103, I.No-14.5)								
	Floor Area	sqm	1	11.55	26.55		306.65		
	Stage Area		1	11.55	6.55		75.65		
							382.31	**1278.72**	**4,88,861.00**
	Rate Analysis								
	Basic Rate	**1184.00**							
	Area Weightage	**8.00%**							
	Total Qty	**1278.72**							
20	Fabricating, supplying and erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, Straightnening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cosr of materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc, complete as per specification								
	(PW,P& IWTD, SR 18-19, Page No -43, I.No-7.30)								
	Truss	Kg							
	Section ISA60x60x6 of length 24 @ 5.40 Kg/m	KG	1	24.00	5.40		129.60		
	Section ISA50x50x50x6 of length 22.5 @ 4.50 Kg/m	KG	1	22.50	4.50		101.25		
	Section ISA75x75x6 of length 24.4 @ 6.80Kg/m	KG	1	24.40	6.80		165.92		
	Purlins ISMC125	KG	28	12.00	12.70		4,267.20		
	Cleat angle	KG	84	4.50	0.08		30.24		
	Eves Strut ISMC100	KG	28	2.00	9.20		515.20		
	Gusset Plates (15 % of Truss weight)	KG	1	0.15	2.78		0.42		
	Bracing Horizontal	KG	1	166.00	2.46		408.36		

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Bracing Vertical	KG	1	24.00	2.46		59.04		
	Sag rods	KG	7	13.50	2.46		232.47		
	Structural Colums	KG	10	37.30	5.40		2,014.20		
	Structural Colums	KG	4	37.30	4.50		671.40		
	Base Plate	KG	14	0.25	863.50		3,022.25		
					Total Qty		**11,617.55**	**138.24**	**16,06,010.00**
	Rate Analysis								
	Basic Rate	**128.00**							
	Area Weightage	**8.00%**							
	Total Qty	**138.24**							
21	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The Total Qty coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy Sqm 573.00 299								
	(PW,P& IWTD, SR 18-19, P-299, I.No-38.30)								
	Corrugated Sheets	sqm	1	13.00	30.00		390.00		
							390.00	**743.04**	**2,89,786.00**
	Rate Analysis								
	Basic Rate	**688.00**							
	Area Weightage	**8.00%**							
	Total Qty	**743.04**							
22	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.								
	(PW,P& IWTD, SR 18-19, P-45, I.No-7.38)								
	SS Railing	sqm							
	ENTRY Steps			2.00	2.00	1.20	4.80		
	Steps for Stage			2.00	2.00	1.20	4.80		
							9.60	**6502.68**	**62,426.00**
	Rate Analysis								
	Basic Rate	**6021.00**							
	Area Weightage	**8.00%**							

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Total Qty	6502.68							
23	KSRRB M300-1. KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
	(P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
	Pathway	cum	1	10.00	3.00	0.20	6.00		
			1	62.00	2.50	0.20	31.00		
						Total Qty	37.00	140.40	5,195.00
	Basic Rate	130.00							
	Area Weightage	8.00%							
	Total Qty	140.40							
24	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407								
	(P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)								
	Pathway	cum	1	10.00	3.00	0.30	9.00		
			1	62.00	2.50	0.30	46.50		
	Pathway in Mini Vidhana soudha		1	75.00	7.50	0.30	168.75		
						Total Qty	224.25	225.72	50,618.00
	Basic Rate	209.00							
	Area Weightage	8.00%							
	Total Qty	225.72							
25	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS								
	(P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)								
	Pathway	cum	1	10.00	3.00		30.00		
			1	62.00	2.50		155.00		
	Pathway in Mini Vidhana soudha		1	75.00	7.50		562.50		
						Total Qty	747.50	1137.24	8,50,087.00
	Basic Rate	1053.00							
	Area Weightage	8.00%							
	Total Qty	1137.24							
26	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.								
	(P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)								
	Pathway in Mini Vidhana soudha	No's	2	75.00		/0.45	333.00		
							333.00	440.64	1,46,733.00

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Basic Rate	408.00							
	Area Weightage	8.00%							
	Total Qty	440.64							
27	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8								
	(Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019))								
	Pathway in Mini Vidhana soudha	Sqm	2	75.00		0.35	52.50		
							52.50	**86.40**	**4,536.00**
	Basic Rate	80.00							
	Area Weightage	8.00%							
	Total Qty	86.40							
	Proposed Green room at First Grade P U College, Yelahanka, Bangalore								
28	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil .KSRB 2-3								
	(Page No. 6, Item No. - 2.3 of PW;P&IWTD S.R 2018-19)								
	Footings For Wash Bain in Bangla School		1	4.20	1.20	0.40	2.02		
	Platform for Wash Basin		1	4.20	2.00	0.30	2.52		
	Auditorium Extension		8	2.50	2.50	2.60	130.00		
	Pedastal for Flood Light		8	0.45	0.45	0.45	0.73		
						Total Qty	**135.27**	**322.92**	**43,680.00**
	Rate Analysis								
	Basic Rate	299.00							
	Area Weightage	8.00%							
	Total Qty	322.92							
29	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2								
	(Page No. 13, Item No. - 4.3 of PW;P&IWTD S.R 2018-19)								
	Footings For Wash Bain in Bangla School		1	4.20	1.20	0.15	0.76		
	Platform for Wash Basin		1	4.20	2.00	0.15	1.26		
	Auditorium Extension		8	2.50	2.50	0.10	5.00		
	Pedastal for Flood Light		8	0.45	0.45	0.15	0.24		
	Total Qty PCC						**7.26**	**5510.16**	**39,998.00**
	Rate Analysis								
	Basic Rate	5102.00							
	Area Weightage	8.00%							
	Total Qty	5510.16							

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
30	KSRB 4.1.6 : Providing and laying in position reinforced cement concrete of design mix M15 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets,coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6								
	(P No. 13, I No. - 4.6 of PW;P&IWTD SR 2018-19)								
		Cum							
	Floor Concrete								
	Platform for Wash Basin		1	4.20	2.00	0.15	1.26		
							1.26	**5855.76**	**7,378.00**
	Rate Analysis								
	Basic Rate	**5422.00**							
	Area Weightage	**8.00%**							
	Total Qty	**5855.76**							
31	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	(P.No.14, I.No.4.11 of PW, P&IWTD SR2018-19)								
	Retaining Wall For Wash Basin in Bangla School	Cum							
	Raft		1	4.20	1.20	0.30	1.51		
	Auditorium Extension		8	2.30	2.30	0.50	21.16		
							22.67	**6111.72**	**1,38,565.00**
	Rate Analysis								
	Basic Rate	**5659.00**							
	Area Weightage	**8.00%**							
	Total Qty	**6111.72**							
32	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	(P.No.14, I.No.4.13 of PW, P&IWTD SR2018-19)								

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
	Wall Concrete	Cum	1	4.20	0.20	1.80	1.51		
	L- SHAPE		1	4.20	0.90	0.10	0.38		
	Auditorium Extension		8	0.75	0.75	2.00	9.00		
	Pedastal for Flood Light		8	0.45	0.45	0.75	1.22		
							12.11	6363.36	77,028.00
	Rate Analysis								
	Basic Rate	5892.00							
	Area Weightage	8.00%							
	Total Qty	6363.36							
33	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2								
	(P.No.15, I.No.4.28 of PW, P&IWTD SR2018-19)								
	Retaining Wall For Wash								
		2	1	5.40		0.30	3.24		
		2	1	4.40		1.80	15.84		
	Auditorium Extension	1	8	3.00		2.00	48.00		
	L- Shape		1	4.20		1.80	7.56		
							74.64	278.64	20,798.00
	Rate Analysis								
	Basic Rate	258.00							
	Area Weightage	8.00%							
	Total Qty	278.64							
34	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500								
	(P.No.19, I.No.4.46.1 & 4.47 of PW, P&IWTD SR 2018-19)								
				Mtonne					
	100 kg/Cum for Steel For Wash Basin		1	3.40		100.00	340.20		
	120 kg/Cum for Steel For Footing		1	30.16		120.00	3,619.20		
							3,959.40		
	Total Qty Rebar Steel Quantity						**3.96**	76643.28	3,03,461.00
	Rate Analysis								
	Basic Rate	70966.00							
	Area Weightage	8.00%							
	Total Qty	76643.28							

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
35	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification								
	(PW,P& IWTD, SR 18-19, Page No -43, I.No-7.29)								
	Truss	Kg							
	Circular Hollow Section (25mm nominal Bore X4.0mm)	KG	1	22.50	2.93		65.93		
	Circular Hollow Section (50mm nominal Bore X4.5mm)	KG	1	22.50	6.19		139.28		
	Purlins Circular Hollow Section (50mm nominal Bore X4.5mm)	KG	30	14.50	6.19		2,692.65		
	Structural Colums Circular Hollow Section (300mm nominal Bore X8.0mm)	KG	8	4.50	77.44		2,787.84		
	Base Plate	KG	8	0.25	863.50		1,727.00		
					Total Qty		7,412.69	99.36	7,36,525.00
	Rate Analysis								
	Basic Rate	92.00							
	Area Weightage	8.00%							
	Total Qty	99.36							
36	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The Total Qty coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy Sqm 573.00 299								
	(PW,P& IWTD, SR 18-19, P-299, I.No-38.30)								
	Corrugated Sheets	sqm	1	14.50	20.50		297.25		
							297.25	743.04	2,20,869.00
	Rate Analysis								
	Basic Rate	688.00							
	Area Weightage	8.00%							
	Total Qty	743.04							

Sl.No.	Description	Unit	No.	L	B	D	Qty	Rate in Rs.	Amount in Rs.
37	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202.								
	(P.No. 139, I.No. 18.20 of CSR 2018-19)								
	Existing Compound Wall	CUM	1	65.00	0.30	1.60	31.20		
	RHS Compound Wall		1	55.00	0.30	2.00	33.00		
	Pathway in Mini Vidhana soudha		1	75.00	5.00	0.15	56.25		
							120.45	**421.20**	**50,734.00**
	Rate Analysis								
	Basic Rate	**390.00**							
	Area Weightage	**8.00%**							
	Total Qty	**421.20**							
38	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification **in ordinary soil.**								
	(P.No. 6, I.No. 2.3 of CSR 2018-19)								
	Excavation of soil	Cum	1	65.00	1.50	1.50	146.25		
	Excavation of soil		1	55.00	1.50	1.50	123.75		
							270.00	**322.92**	**87,188.00**
	Rate Analysis								
	Basic Rate	**299.00**							
	Area Weightage	**8.00%**							
	Total Qty	**322.92**							
39	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.								
	(P.No. 13, I.No. 4.3 of CSR 2018-19)								
	Footing PCC	Cum	1	65.00	1.50	0.15	14.63		
	Footing PCC	Cum	1	55.00	1.50	0.15	12.38		
							27.00	**5510.16**	**1,48,774.00**
	Rate Analysis								
	Basic Rate	**5102.00**							
	Area Weightage	**8.00%**							
	Total Qty	**5510.16**							
40	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								